

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-300-5

1993MY

Relating to Certification of New Heavy-Duty Motor Vehicle Engines

THERMO POWER CORPORATION

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102 and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That Thermo Power Corporation 1993 model-year Otto-cycle engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fuel Type: Compressed Natural Gas

<u>Engine Family</u>	<u>Engine Displacement Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems and Special Features</u>
Tecodrive 7000T	7.0 (427)	Three-Way Catalytic Converter Turbocharger

Engine models and codes are listed on attachments.

The certification exhaust emission standards for this engine family in grams per brake horsepower-hour are:

<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
1.7	37.1	5.0

The certification exhaust emission values for this engine family in grams per brake horsepower-hour are:


<u>Engine Family</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
Tecodrive 7000T	0.5	35.0	4.4

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachments.

Executed at El Monte, California this 14th day of June, 1994.


R. B. Summerfield
Assistant Division Chief
Mobile Source Division

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1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY OTTO-CYCLE ENGINES

Manufacturer: Thermo Power Corporation Engine Family: TecoDrive
Liters (CID): 7.0 (427) Fuel Type: ^{compressed} ✓ Natural Gas Engine Config.: V8
Exhaust ECS & Special Features (OC, TWC, MFI, etc.): TWC, TC
(Use abbreviations per SAE J1930 MAY91)

Engine Model (Eng. Code)	Rated hp @ rpm	Ignition System or ECM/PCM P/N	Fuel System CARB/TBI/ Injtr + Pump P/N	EGR Valve P/N	Catalyst P/N
<u>TecoDrive 7000T</u>	<u>240 hp</u> <u>@ 3600 rpm</u>	<u>AC Delco ECM</u> <u>P/N 16147525</u> <u>Crusader Engines</u> <u>CAL EPROM</u> <u>P/N 7370220</u> <u>AC Delco</u> <u>Distributor</u> <u>P/N 1103927</u>	<u>TBI</u> <u>P/N 17112595</u> <u>Impco Mixer</u> <u>P/N CA425M-2</u> <u>Impco LP</u> <u>Regulator</u> <u>P/N T-PEV-2</u> <u>Impco HP</u> <u>Regulator</u> <u>P/N HPR 3000R</u>	<u>N/A</u>	<u>P/N</u> <u>25130005</u>

Revisions: